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Instructions for:  
*Tower by Henry Kloss*<sup>®</sup>  
*Tower II by Henry Kloss*<sup>®</sup>

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## Introduction



**T**hank you for purchasing one of the *Tower* series speakers by Henry Kloss. Both of these *Tower* series speakers showcase the lifetime of experience Henry Kloss brings to speaker design. Henry Kloss examined all facets of speaker design to ensure the highest performance possible in both of these systems. This includes cabinet shape and construction, driver size and materials, and driver placement. Most importantly, Henry Kloss has included all the complex internal circuitry needed to ensure a seamless dynamic “presence” from either of these speaker systems.



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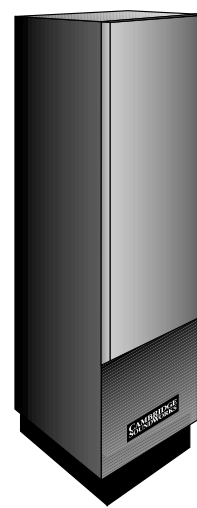
## Overview

Read through this manual before starting to install your speakers. Decide where to place the *Tower* series speakers in your listening room. Afterwards, you will prepare the speaker wires, connect and listen to the speakers. When you are satisfied with the sound, you may conceal the wires.

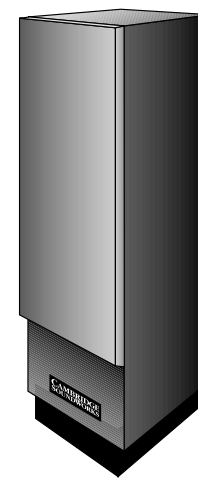
## Unpacking And Checking For Shipping Damage

1. We suggest that you keep the shipping carton and packing materials. They will be useful in case you move or ship your speakers.
2. Upon unpacking your speakers, examine them carefully for any signs of shipping damage. If there is evidence of shipping damage, do not install or use the speaker. Contact the retailer where you purchased them.

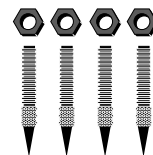
*Tower*



*Tower II*



### Accessory Pack contains...



Four (4) nuts

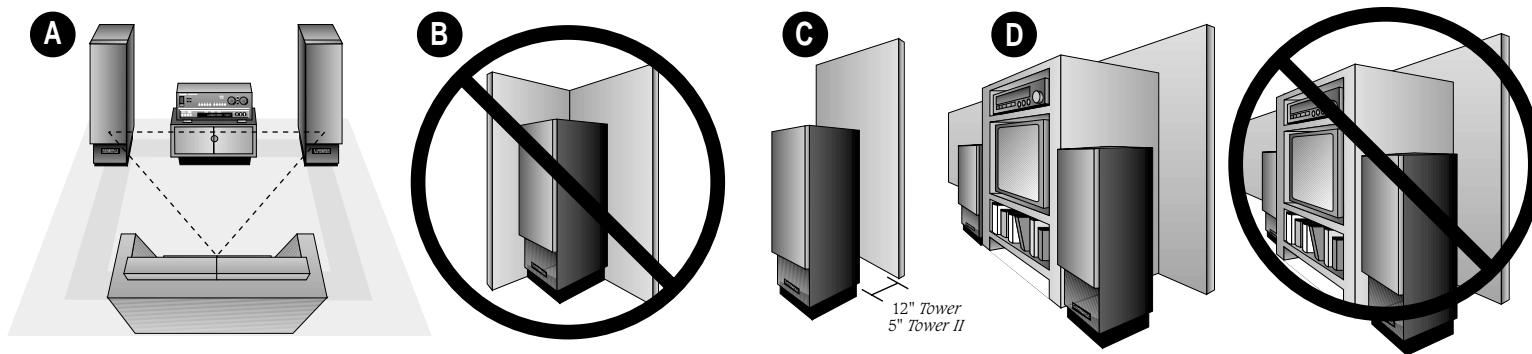
Four (4)  
carpet spikes

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## Speaker Placement

The *Tower* series speakers are magnetically shielded, so they may be placed next to a TV. Most movie soundtracks sound best with the speakers positioned to form a 45° angle (see **A**, below). If this places the speakers too close to the TV, move them further out. Avoid placing the speakers within 18 inches of room corners (see **B**, below). Avoid placing *Tower II* closer than 5 inches from a back wall (see **C**, below). The bipolar *Tower* speaker

should be placed at least 12 inches from a back wall. The bipolar design is discussed on the next page. When placing the speakers close to a cabinet or wall unit, position their front surfaces flush with the front edge of the cabinetry (see **D**, below). Have a clear line-of-sight to the speakers, so that high frequencies are not blocked. Do not place speakers near a turntable. Feedback could result.

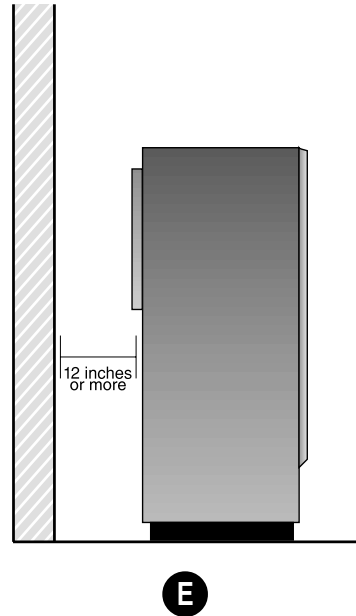


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### About the bipolar *Tower* speaker

The bipolar design of the *Tower* provides broad coverage of sound in large rooms. Symmetric placement in a room is less critical than with conventional speakers. Position the back of each bipolar *Tower* speaker 12 or more inches away from a rear or side wall (see **E**, right) for the smoothest sound.

The bipolar dispersion pattern of the *Tower* will increase the apparent depth of the stereo image for both standing and seated listeners. The tonal balance of the *Tower* will be more consistent than conventional direct radiator speakers across a wide range of listening positions, not just for the central area between the speakers.



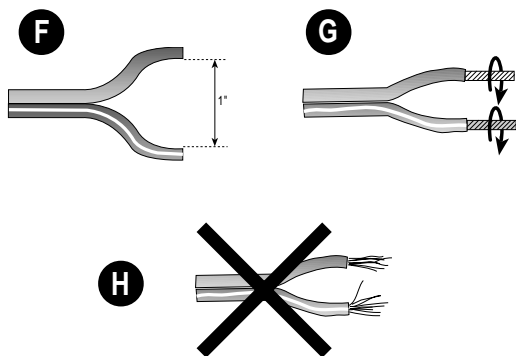
## Speaker Hook-Up

NOTE: The *Tower* series speaker's bi-wire connection option (see page 6) must be connected to one set of speaker outputs only (either "SPEAKER A" or "SPEAKER B," but not "SPEAKER A" and "SPEAKER B").

After you have determined speaker placement (page 3 - 4), it's time to connect them to your receiver or amplifier. Use at least 16-gauge stranded copper wire for runs of up to 25 feet, and heavier gauge for longer runs.

## Preparing Speaker Wires

- Use a wire cutter/stripper to cut speaker wire into appropriate lengths.
- Separate the individual leads for a distance of one inch (see **F**, below) at both ends of the wires.
- Strip  $\frac{1}{2}$  inch of insulation from each individual lead end at both ends of the wires. Be careful not to cut through the wire strands.
- Twist the bare wire strands tightly together (see **G**, below). Be sure that there are no loose strands (see **H**, below).



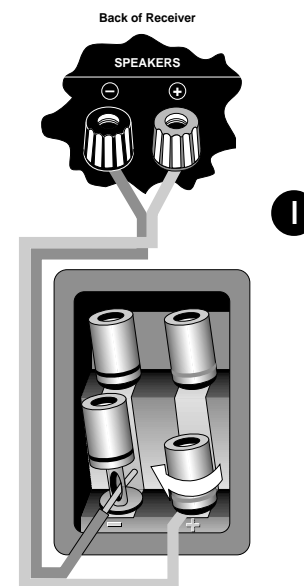
## Making Connections

The two leads of each speaker wire are differentiated by a ridge or color stripe down one lead's insulation, and/or the use of different color wire (copper and silver).

- Unscrew two of the speakers' red (+) and black (-) connectors to expose the holes in their threaded shafts.
- Insert the stripped ends of the wires through the holes.
- Hand tighten the connectors clockwise (see **I**, below). Be sure no stray strands of wire cross the connecting terminals of your speaker, receiver or amplifier.
- Connect both speakers identically by connecting the red (+) and black (-) terminals on the speaker units to their red and black counterparts on your receiver or amplifier. Use the marked leads for interconnecting the red terminals. Use the unmarked leads for interconnecting the black terminals.
- Connecting the speaker components identically assures they operate "in phase." "Out of phase" connections can muddy the bass or stereo effect, causing

solo sounds to "split" between the two speakers.

- You could also attach standard banana plugs to the speaker wires and plug them into the ends of the speaker connectors. If oversized banana plugs are used, the speakers might not sit flush on the floor.



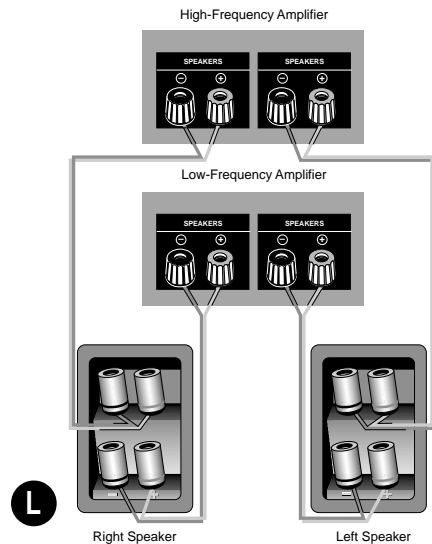
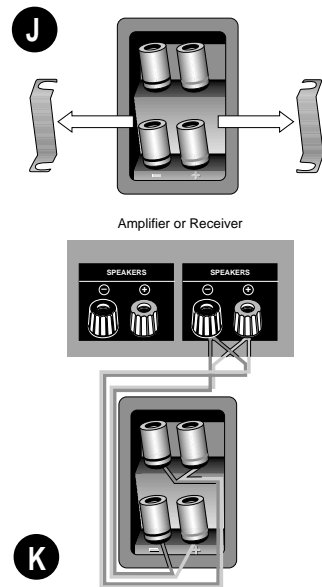
## Optional Hook-Ups

The *Tower* and *Tower II* speakers have two pairs of input terminals. These terminals are connected by a “jumper strap” which may be removed to allow separate cable connection to woofer section of the loudspeaker and the midrange/tweeter section of the speaker (see **J**, below). When removing the

“jumper strap,” loosen both sets of input terminals and slide the “jumper straps” off. Take care to save the jumper straps for later use.

### Bi-wire connections

Bi-wiring uses an individual two-conductor speaker cable to drive each separate section of the loudspeaker from a single amplifier (see **K**, below).



### Bi-amplification connections

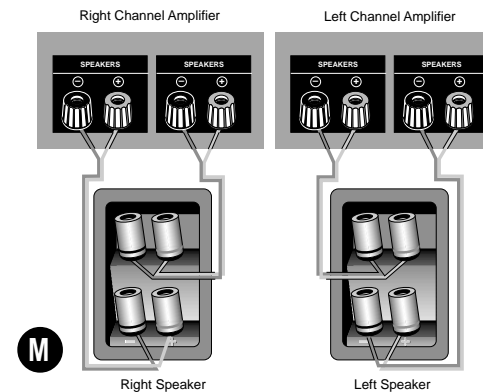
Bi-amplification uses one stereo amplifier to drive the midrange/tweeter section of the speaker and a second stereo amplifier to drive the woofer section of the speaker.

The following two diagrams show the proper hook-up techniques.

Use diagram **L** as your guide if you have two different stereo amplifiers. Use the larger amplifier to drive the

woofer sections of the speakers. You can also use this connection technique if your amplifiers are identical.

If you have two identical stereo amplifiers, you can also use diagram **M** as your guide. This connection scheme allows placement of each amplifier close to its corresponding speaker, which in turn ensures short, low resistance speaker cable runs.



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## Optimizing The Sound Of Your System

A small change in speaker placement can have a large effect on the sound. Program material varies greatly, so be sure to listen to a variety of recordings to prevent being misled by unusual characteristics of a particular recording. Let your ears be the guide, and trust them. When the *Tower* series speaker sounds right to you, you've found the best placement.

### Amplifier Power

At high volume levels, if the sound is consistently "grainy" or "gritty," or there is noticeable distortion on deep bass, you may be overdriving ("clipping") your amplifier or receiver. Turn down the volume control until the symptoms disappear. If this level is not loud enough for you, you may need a more powerful amplifier or receiver.

### For Dolby Digital® Systems:

You need to configure the "speaker size" on most Dolby Digital® receivers. If the *Tower* or *Tower II* speakers are used without a subwoofer, set the speaker size option of your receiver to "LARGE" and the subwoofer option to "OFF." Dolby Surround® receivers (without Dolby Digital®) do not have size selection for the main speakers.

## Cleaning The Cabinets

If more than dusting is needed, the vinyl finish on your *Tower II* speakers can be cleaned with a window or vinyl cleaning product. Avoid spraying any cleaner directly onto the speaker grilles to prevent damage.

The bipolar *Tower* speaker has a lacquered walnut or black ash veneer finish. Use a damp cloth to wipe off the surfaces.

Dust may be removed from the top of the grille panels with the brush attachment of a vacuum cleaner.

If you choose to operate the speakers with the grille panels removed, dust may accumulate on the edges of the woofers, midranges or tweeters. This will not affect the performance of the system, and we advise against trying to clean the drivers.

## Specifications

### *Tower*

Size	38 1/2" x 9 1/4" x 14"
Woofers	2 x 8"
Midrange	2 x 5 1/4"
Tweeter	2 x 1"
Impedance	6 ohms (nominal)
Weight	73 pounds

### *Tower II*

Size	35 1/2" x 9 1/4" x 14"
Woofers	2 x 8"
Midrange	2 x 5 1/4"
Tweeter	1"
Impedance	6 ohms (nominal)
Weight	65 pounds



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## Floor Versus Carpets

Each *Tower* speaker comes with four rubber feet installed in threaded sleeves in the pedestal base. These feet will provide stability on any flat, uncarpeted floor surface and many single-layer carpeted surfaces.

\* Check that each *Tower* speaker is securely positioned at the final listening position and does not rock back and forth (see **N**, below). Use shims to provide stability if the surface is not level. The rubber feet will also help protect smooth, polished floor surfaces.

Each speaker comes with four carpet spikes. These spikes can be used to improve stability on thick carpet. They will penetrate a carpet and carpet pad and transfer the weight of the speaker directly to the actual floor surface.

**Important Note:** These carpet spikes will leave four small but distinct puncture holes in wooden floors and can damage other surfaces. Do not use these spikes if you are concerned about the appearance of the floor beneath the carpet.

Determine the final listening position of each speaker before installing the carpet spikes, since repositioning a speaker is difficult once the spikes are installed.

Carpet spike installation consists of removing the rubber feet and then adjusting and locking the spikes.

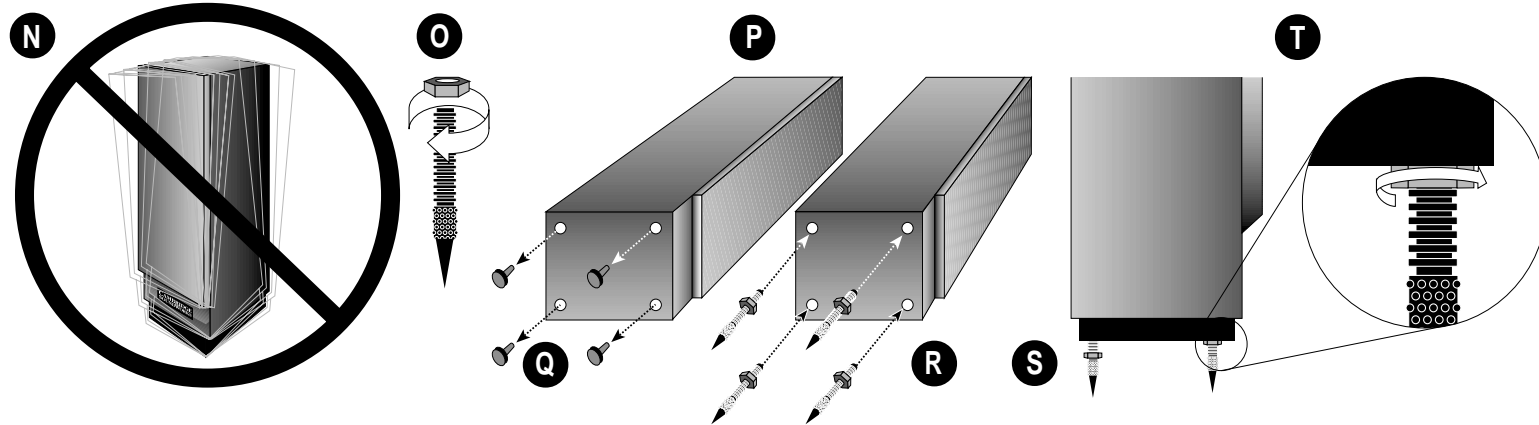
- O. Screw one locknut about halfway down the shank of each carpet spike.
- P. Carefully lay the loudspeaker on its side.

Q. Pull each rubber foot out of its threaded fitting. Rotate the foot counter-clockwise if it resists slipping out.

R. Screw each carpet spike into a threaded fitting. Leave a small gap between the locknut and the fitting.

S. Place the speaker at its proper listening position. Adjust each spike by rotating it until the speaker is level and stable.

T. Screw each of the locknuts up against the base to secure the carpet spike.



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## 10-Year Limited Warranty

To the original purchaser, Cambridge SoundWorks, Inc. warrants the *Tower* and *Tower II* speakers to be free from defects in material and workmanship for a period of ten (10) years from date of purchase. With respect to defects, Cambridge SoundWorks will, at its option, replace the product or repair the defect in the product with no charge to the original purchaser for parts or labor.

This warranty does not extend to any defect, malfunction or failure caused by misuse, abuse, accident, faulty hook-up, defective associated equipment or use of the speaker with equipment for which it is not intended.

This warranty is valid only when the speaker is returned to an authorized store where it was purchased. If you bought directly from Cambridge SoundWorks, call for a Return Authorization Number for the unit. Then return it to the address below, freight prepaid, together with a copy of the original sales slip to establish warranty status. Please do not return the *Tower* or *Tower II*, or any of its parts, without prior authorization.

This is the sole and express warranty. This warranty is in lieu of all other warranties, expressed or implied, of merchantability, fitness for purpose or otherwise. In no event shall Cambridge SoundWorks be liable for incidental or consequential damages or have any liability with respect to defects other than the obligations set forth above.

To ensure warranty coverage it is incumbent upon the original purchaser to inform Cambridge SoundWorks or any of its Authorized Service Agencies of the defect within the warranty period. The only acceptable method of establishing warranty status is a copy of the original proof of purchase indicating customers name and purchase date.

For warranty information contact:

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[www.cambridgesoundworks.com](http://www.cambridgesoundworks.com)  
email:  
[info@cambridgesoundworks.com](mailto:info@cambridgesoundworks.com)

## Difficulty?

If you suspect there is a problem, after you set up and listen to your Cambridge SoundWorks product, first review this manual. If the problem persists, contact the store where you purchased it. You may also call a Cambridge SoundWorks Audio/Video Consultant at 1-877-YES-HIFI who will help you isolate the problem. It could be with some other component in your system.

If you and our Audio/Video Consultant agree there is something wrong with your Cambridge SoundWorks product, you should return it to the store where you purchased it. If this is not possible, our Audio/Video Consultant can issue a Return Authorization Number. Please, do not return Cambridge SoundWorks speaker systems or any parts without prior authorization, as unnecessary delays may result.

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